


CROWD-FUNDING USING BLOCKCHAIN

NAME: RINSHA AP

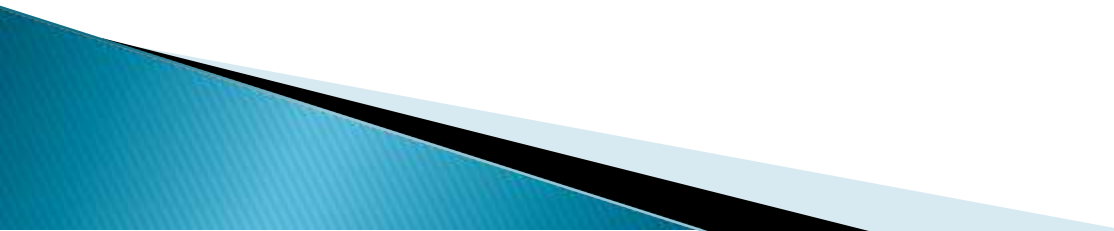
ROLL NO: 40


PRODUCT OWNER: Ms.PRIYA JD

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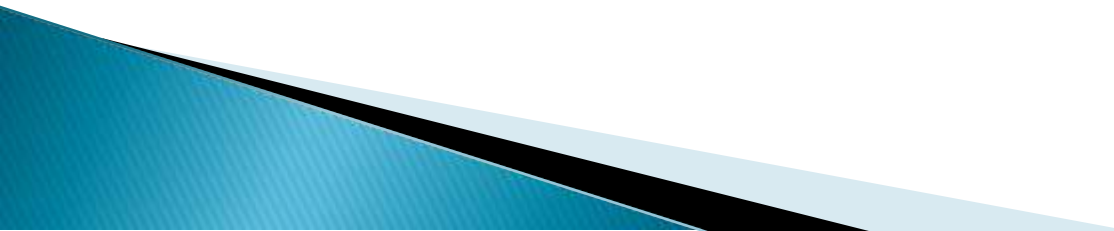
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ABSTRACT

- ▶ Crowd funding is the practice of funding a project or venture by raising small amounts of money from a large number of people, typically via the internet.
 - ▶ Before crowd funding were started people would really struggle to get funding for startups. It was difficult for people to convince investors to invest in their ideas. But now there is no need of such struggle as many crowdfunding platforms have evolved like Kick starter, Indiegogo etc.
 - ▶ which are helping people for getting the required funding and thereby making their dreams come true.
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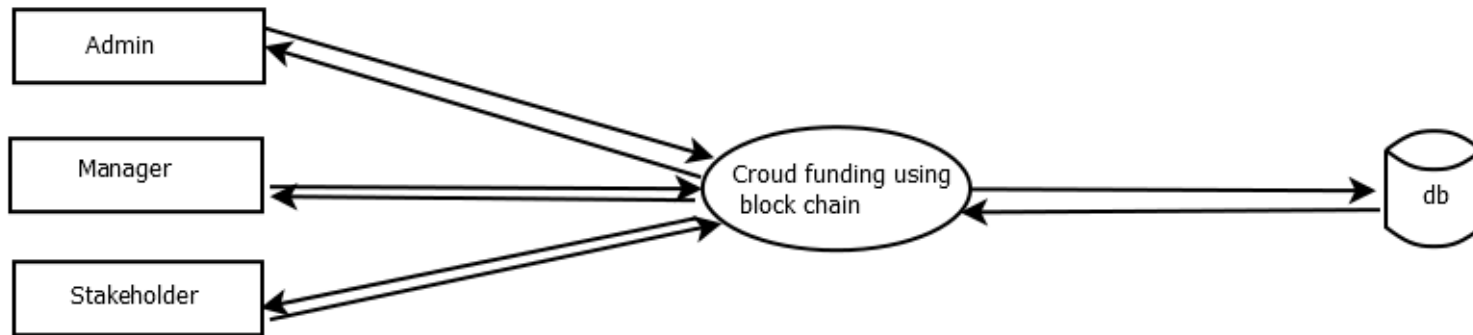
- ▶ The investors who are interested will invest in these ideas and if the amount reaches the desired goal within the deadline, the entire amount excluding some middlemen fee will be given to campaign creator.
 - ▶ The main problem faced in this system is that there no ensured security, the whole funding amount is giving to the person who created the campaign. There are chances that this may lead to miscellaneous activities.
 - ▶ People with intention to make money easily will use this platform in a wrong way by coming up with fake ideas and the investors will end up losing all the money invested. Even though there are digital contracts available, they are not ensuring the investor's interest or security. So, investing in these kinds of platforms are highly risky and depends on luck.
 - ▶ So, our project focuses on increasing the security with the help of blockchain technology and smart contracts, which makes the transactions transparent for the investors and it ensures the funding amount will be safe inside these contracts.
 - ▶ Here if the campaign creator wants to spend the fund, he has to create a spending request specifying the reason to spend the fund, to whom the amount goes to (vendors address) and, how much fund is to be released. The investors can vote on this request by approving or can reject the request. Only if the majority is supporting the request the fund is able to release. Here the amount is not directly giving to the campaign creator, but to the vendors address specified in the spending request. The proposed system is a solution to overcome the issues with the existing system.
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MODULES

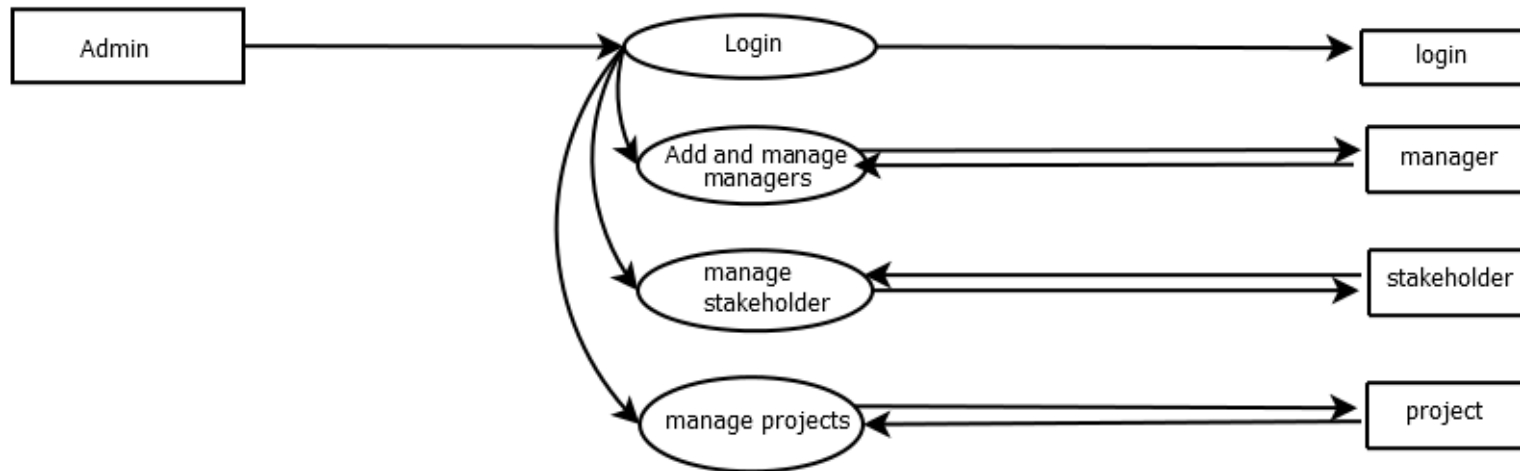
- 1. Admin
 - Login
 - Add and manage managers
 - Manage stakeholder
 - Manage projects
 - ▶ 2. Manager
 - Login
 - Create new project
 - View project status
 - Create spending request
 - View spending request status
 - ▶ 3. Stakeholder
 - Registration
 - Login
 - View project details
 - Fund project
 - View request
 - Vote for request
- 

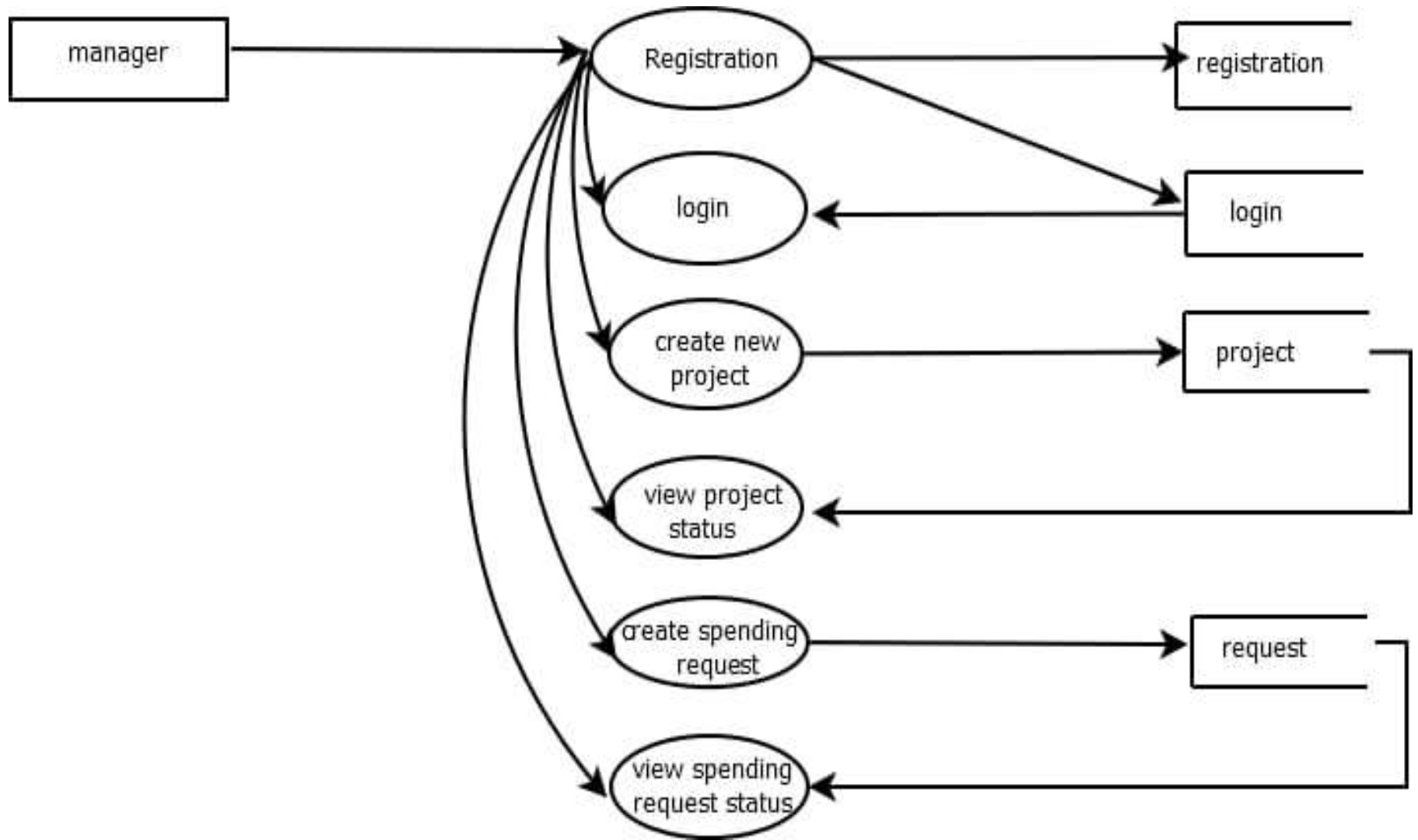
DATA FLOW DIAGRAM

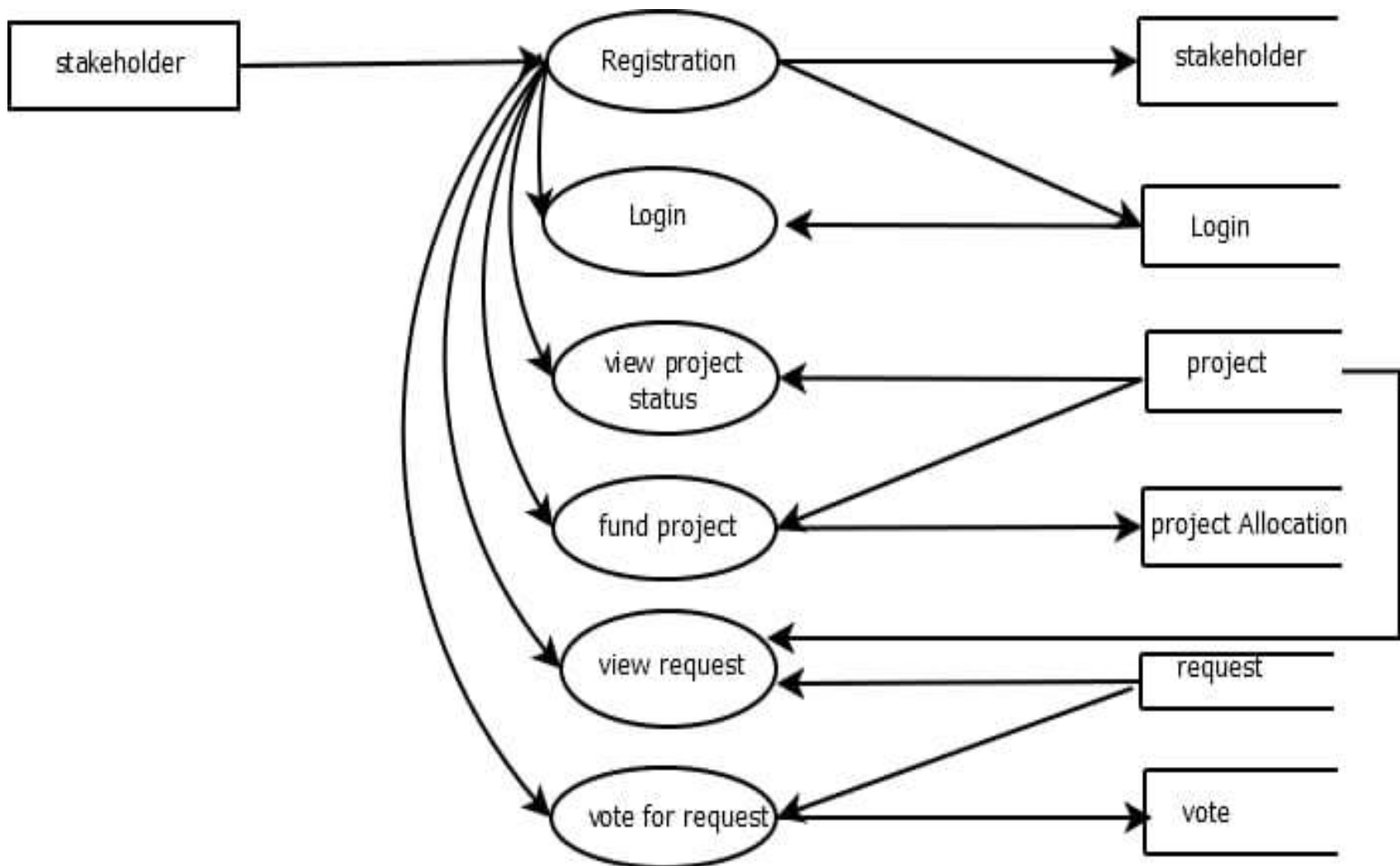
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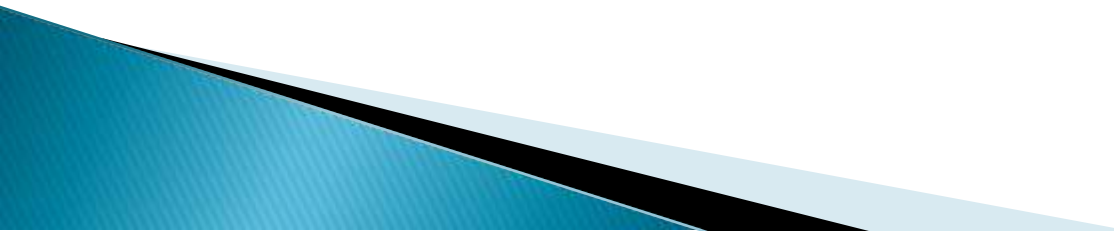
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Developing Environment

1. Operating System : Windows 8 or higher
 2. Front End Tool : HTML, CSS, python
 3. Back End Tool : MY SQL
 4. IDE : Pycharmcommunity, Andriodstudio/
eclipse
 5. Web Browser : All new browsers
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User story

UserStory ID	As a <type of user>	I want to	So that I can
1	Admin	login	login successful with correct username and password
2	Admin	Manage stakeholders	view stakeholders and accept reject managers
3	Admin	Manage Managers	view managers and accept reject managers
4	Admin	Manage Projects	approve or reject project ideas
5	Manager	Registration	Registration by user details
6	Manager	Create new project	Add new project ideas
7	Manager	View project status	View project current status
8	Manager	Create spending request	Create spending request with amount reason
9	Manager	View status	View status of spending request(accept or reject)
10	Stakeholder	Registration	Registered by using details
11	Stakeholder	login	Login by user name & password
12	Stakeholder	View project details	View project info from manager
13	Stakeholder	Fund project	Send fund amount to a project
14	Stakeholder	View request	View spending request
15	Stakeholder	Vote for request	Accept/reject spending request

PRODUCT BACKLOG

User story ID	Priority <High/Medium /Low>	Size (Hours)	Sprint <#>	Status <Planned/In progress/Completed>	Release Date	Release Goal
1	Medium	2	1	Completed	10/01/2022	Table design
2	High	3		Completed	10/01/2022	Form design
3	High	5	2	Completed	10/01/2022	Code design
4	Medium	5		Planned		Project creation and valet allocation
5	High	5	3	planned		Fund transaction
6	High	5		Planned		Request creation and voting
7	Medium	5	4	Planned		Testing data
8	High	5		Planned		Output generation

PROJECT PLAN

User Story ID	Task Name	Start Date	End Date	Days	Status
1	Sprint 1	10/11/2021	10/11/2021	10	Completed
2		17/11/2021	17/11/2021		Completed
3		25/11/2021	25/11/2021		completed
4	Sprint 2	2/12/2021	2/12/2021	11	Planned
5		8/12/2021	8/12/2021		Planned
6	Sprint 3	16/12/2021	16/12/2021	8	Planned
7		25/12/2021	25/12/2021		Planned
8	Sprint 4	3/01/2022	3/01/2022	6	Planned
9		5/01/2022	5/01/2022		Planned

SPRINT PLAN

Backlog item	Status & completion date	Original estimate In hours	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8	Day 9	Day 10	Day 11	Day 12
User Story#1,2														
Table designing	10/11/2021	2	1	1	0	0	0	0	0	0	0	0	0	0
Form designing	17/11/2021	5	0	1	1	1	0	0	0	0	0	0	0	0
Code designing	25/11/2021	5	0	0	0	0	1	1	1	1	0	0	0	0
User story#3,4														
Project creation and valet allocation	16/12/2021	5	1	1	0	1	1	1	0	0	0	0	0	0
User story#5,6														
Fund transaction	25/12/2021	5	1	1	1	0	1	1	0	0	0	0	0	0
Request creation and voting	3/01/2022													
User story#7,8														
Testing & output	5/01/2022	5	1	2	1	0	2	2	1	1	0	0	0	0
Total		50	4	5	3	2	4	4	2	2	0	0	0	0

ACTUAL SPRINT

Backlog item	Status & completion date	Original estimate in hours	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8	Day 9	Day 10	Day 11	Day 12
User Story#1,2														
Table designing	10/11/2021	2	1	1	0	0	0	0	0	0	0	0	0	0
Form designing	17/11/2021	3	0	1	1	1	0	0	0	0	0	0	0	0
Code designing	25/11/2021	5	0	0	0	0	1	1	1	1	0	0	0	0
User story#3,4														
Project creation and valet allocation	16/12/2021													
User story#5,6														
Fund transaction	25/12/2021													
Request creation & voting	3/01/2022													
User story#7,8														
Testing & output	5/01/2022													
Total		10	1	2	1	1	1	1	1	1	0	0	0	0

Thank You

